

MAY 1962 EDITION  
GSA GEN. REG. NO. 27

UNITED STATES GOVERNMENT

# Memorandum

EP 66-180

DATE: 18 August 1966

TO : The Files: Contract 7253

FROM : Mr. [REDACTED]

25X1A9a

SUBJECT: Inspection Report No. 2 - [REDACTED]

25X1A5a1  
25X1A5a1

## 1. Project Description:

25X1A5a1 [REDACTED] has developed a breadboard model of a spread spectrum VHF communications system that may satisfy our requirement for a short range, body concealable system featuring minimum risk of interception by hostile receivers.

25X1A5a1 Before further development is sponsored, we desire to test the [REDACTED] system under simulated field conditions. The present breadboard will be repackaged, put on a frequency in the 300 Mc/s band, and field tested in Washington, D. C.

## 2. Contractual Information:

- a. Initial Cost: \$17,525.00
- b. Request for Procurement Action: 1 December 1965
- c. Initiation Date: 1 March 1966
- d. Completion Date: 31 July 1966
- e. Deliverable Items: Interim Technical Report (4 copies)  
Final Technical Report (4 copies)

3. Dates of Meeting: 27 and 28 July 1966

4. Place of Meeting: [REDACTED]

25X1A5a1

5. Persons Attending:

### Agency

### Non-Agency

25X1A9a

Mr. [REDACTED]

Mr. [REDACTED]  
Mr. [REDACTED]

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## 6. Contractor's Performance:



~~SECRET~~

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

~~SECRET~~

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25X1A5a1

EP 66-180

SUBJECT: Inspection Report No. 2 - Spread Spectrum Transceiver with [REDACTED]

25X1A5a1

6. Contractor's Performance:

- a. On schedule and expected to remain so: Yes
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:

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When I arrived on 27 July, Messrs. [REDACTED] were ready to run some field tests on the transceivers. Each transceiver was connected to a ground plane antenna that in turn was attached to the roof of the car. We ran tests around the city of [REDACTED] during the afternoon and well into the evening varying the distance and obstacles. Trees tended to limit the range more than buildings. Ranges between .7 mile and 3 miles were obtained. The voice quality was good. The system as a whole seemed to operate quite well. They are now ready to bring the transceivers to Washington to demonstrate and to leave them with us for evaluation. They will want to run some tests around Washington prior to the demonstration to determine if the new environment will affect the system. The time all this will happen depends on [REDACTED] luck in getting airplane reservations during the airline strike.

The following day we discussed the system; when and how we could demonstrate it; and what possible applications it may have. I reminded them that they owed us an interim report as well as the final report. They said they would deliver these reports with the units.

I also learned that there is no inherent limitation to using the spread spectrum system with the RS-520. This could provide the required security necessary to use the RS-520 with systems such as [REDACTED]

25X1A2g

[REDACTED] 25X1A9a

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OC-E/R&D-EP [REDACTED] /bjp

(18 August 1966)

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